

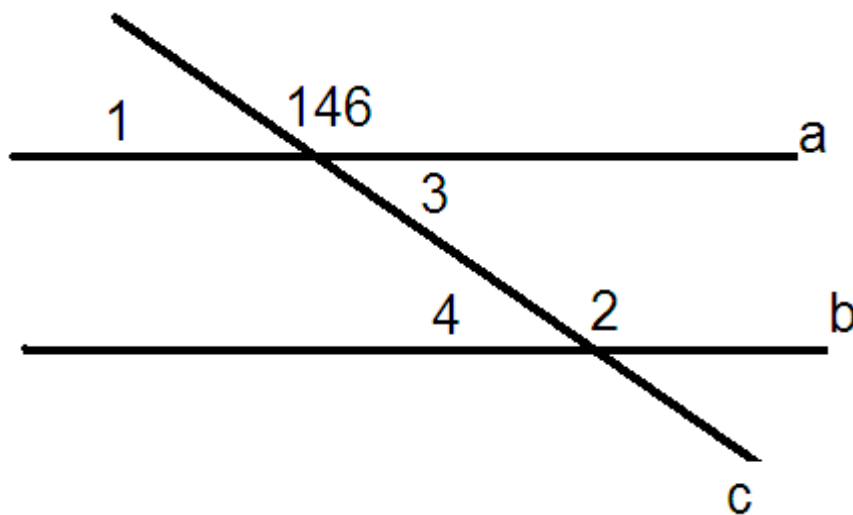
Lines a and b are parallel. Find the missing angles.

1) angle 1

2) angle 2

3) angle 3

4) angle 4

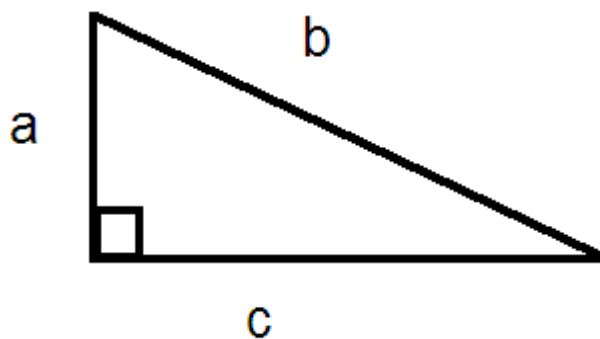


Using the right triangle below, find the missing values.

5)  $a = 10$ ,  $b = 22$

6)  $a = 12$ ,  $c = 25$

7)  $b = 43$ ,  $c = 50$



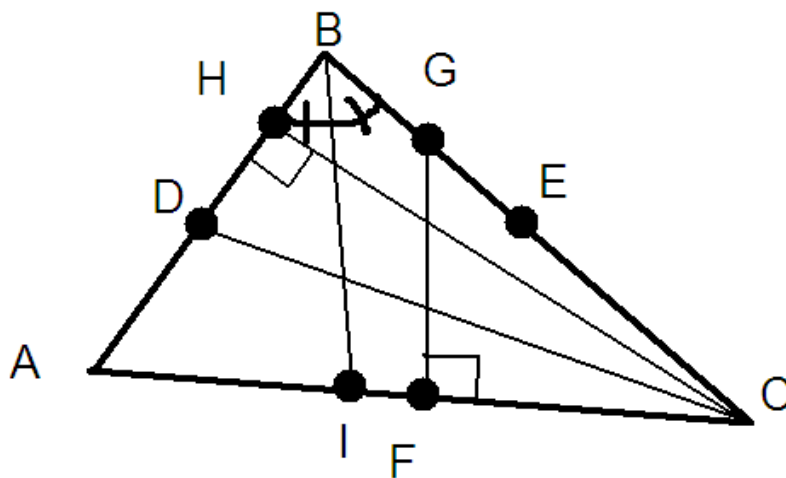
Define, in words, the following and state which segment, in the image below, matches the description. D, E, and F are the midpoints of each side.

8) median

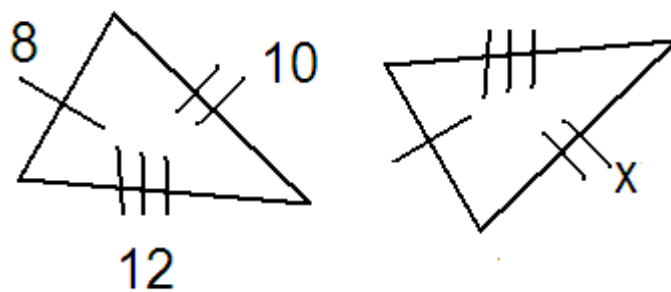
9) altitude

10) angle bisector

11) perpendicular bisector.

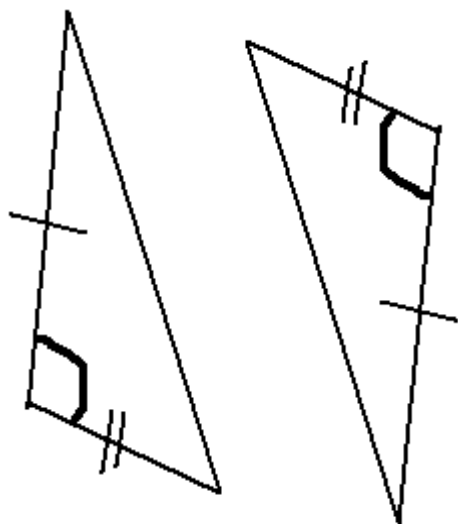


Name the type of congruence that each pair of triangles displays, and fill in the missing values, if applicable.

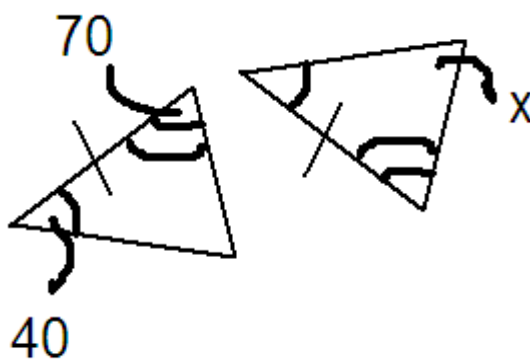


12) type of congruence

13)  $x =$



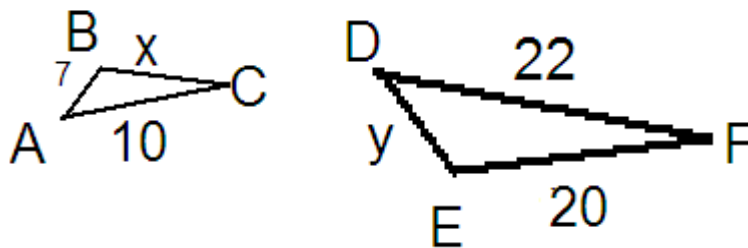
14) type of congruence



15) type of congruence

16)  $x =$

The following triangles are similar.  $ABC \sim DEF$ . Find the missing values.



17) what is the scale factor?

18)  $x =$

19)  $y =$

Bring any questions about these topics to class on Monday!